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# Certificate of Analysis

**Client Information**

Kats Botanicals
1314 E Las Olas Blvd #1616
Fort Lauderdale FL 33301

**Sample Information**

ARL ID: 367752
Date Received: 9/9/2020
Description: Kratom Powder  Kratom Powder
Lot#: 0000871

| Analysis | Method | MDL | Specification | Results | UOM | Lab ID |
|---|---|---|---|---|---|---|
| Kratom 2A Profile | | | | | | 1 |
| Complete Micro Profile | USP, AOAC | | | | | 1 |
| Total Plate Count (High Count) | USP <2021> | 100 | < 10 Million | 255000 | cfu's/g | 1 |
| Coliforms | AOAC 991.14 | 100 | < 10,000 | >15000 | cfu's/g | 1 |
| E. coli | USP <2022> | Absent | Absent | Absent | cfu's/10g | 1 |
| Staphylococcus aureus | USP <2022> | Absent | Absent | Absent | cfu's/10g | 1 |
| Salmonella | USP <2022> | Absent | Absent | Absent | cfu's/10g | 1 |
| Yeast (High Count) | USP <2021> | 100 | < 100,000 | None Detected | cfu's/g | 1 |
| Mold (High Count) | USP <2021> | 100 | < 100,000 | 34,000 | cfu's/g | 1 |
| Heavy Metals | ARL ICPMS 2.60 | | | | | 1 |
| Arsenic (As) | ARL ICPMS 2.60 | 0.001 | < 2 | 0.146 | ppm | 1 |
| Cadmium (Cd) | ARL ICPMS 2.60 | 0.001 | < 0.85 | 0.048 | ppm | 1 |
| Mercury (Hg) | ARL ICPMS 2.60 | 0.001 | < 0.41 | 0.022 | ppm | 1 |
| Lead (Pb) | ARL ICPMS 2.60 | 0.001 | < 1.2 | 0.358 | ppm | 1 |
| Mitragynine Package | HPLC 2.046 | | | | | 1 |
| Mitragynine | HPLC 2.046 | 0.1 | 0.25-2.00 | 1.3 | % | 1 |
| 7-Hydroxy-Mitragynine | HPLC | 0.04 | 0.000-0.100 | <0.04 | % | 1 |

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Released by: Jacob Teller
Sep 14, 2020



*** ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and Supplement also available upon request.**

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.